

IN THE TITLE:

Please change the title to read "HYBRID DIGITAL / ANALOG DEVICE"

IN THE SPECIFICATION:

A substitute specification is submitted herewith

IN THE ABSTRACT:

A new Abstract page is submitted herewith

IN THE CLAIMS:

1. (Original) A device for communication between a digital adapter (5) linked to an exchange (3) by means of a digital interface (7), particularly of ISDN type, and an analog adapter (6) linked to an exchange (4) by means of an analog interface (8), said exchanges (3,4) being linked by means of a telecommunications network (2), wherein said device includes means (11,12;15,16) for direct linking between the digital adapter (5) and the analog adapter (6), the digital information from the digital adapter (5) being sent to the analog adapter (6), and vice versa, in the digital form without emulating an analog signal.

2. (Original) A device according to claim 1, wherein said direct link means (11,12;15,16) include, in the direction of transmission going from the digital adapter (5) to the analog adapter (6), a digital transmitter (11) situated in the digital adapter (5) and able to transmit, to an analog receiver (15) situated in the analog adapter (6), analog pulses the voltage levels of which represent the information transmitted from the digital adapter (5) to the analog adapter (6).

3. (Original) A device according to claim 1, wherein said direct link means (11,12;15,16) include, in the direction of transmission going from the analog adapter (6) to the digital adapter (5), an analog transmitter (16) situated in the analog adapter (6) and able to transmit, to a digital receiver (12) situated in the digital adapter (5), an analog signal such that, when it is sampled by the analog interface of the exchange (4), it will equate the sum of a value able to be determined by the digital information item transmitted by the analog adapter (6) to the digital adapter (5) and of the echo of the signal transmitted by the digital adapter (5), without the said value having to be equal to a level of the quantization law.

4. (Original) A device according to claim 1 or claim 2, wherein the receiver of the analog adapter (6) includes an adaptive linear equalizer (17) connected at its input to the output of an analog/digital converter (19), and connected at its output to the input of an output equalizer (20) linked to the user's equipment, so that the response at the output of the adaptive linear equalizer (17) is a partial response, in particular a class IV response.